

U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE

SHEET 1 OF 1

APPLICANT

ATTY. DOCKET NO.

AUROBIO.026DV2

APPLICATION NO. 09/804,580

P SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT
BY APPLICANT

FORM PTO-1449

Maher, et al.

SE SEVERAL SHEETS IF NECESSARY)

GROUP FILING DATE 1743 March 12, 2001

| | U.S. PATENT DOCUMENTS | | | | | | | | |
|------------------|-----------------------|-----------------|------|----------|-------|----------|---------------------------------|--|--|
| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUBCLASS | FILING DATE (IF APPROPRIATE) | | |
| | | | | | | | | | |
| | | | | <u> </u> | | | | | |
| | | | | 77/20 | | - | 4 | | |
| | | | | Ma CEN | | ECF | R | | |
| - | | | | AR 2 VEN | | I CE | T AP | | |
| | | | | C - 2002 | | I N | \mathbb{Z} Ω | | |
| | | | | 7700 | | 7. | <u> </u> | | |
| | · | | | -00 | | 00 | VE 2002 | | |
| | | | | | |)/29 | 2 | | |
| | | | | | | 8 | <u> </u> | | |

| | FOREIGN PATENT DOCUMENTS | | | | | | | | | |
|----------|--------------------------|-----------------|----------|---------|-------|----------|-------------|----|--|--|
| EXAMINER | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUBCLASS | TRANSLATION | | | |
| INITIAL | | | | | | | YES | NO | | |
| Dar | 1. | . 96/41166 | 12/19/96 | PCT | _ | | | | | |
| , | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |

| EXAMINER INITIAL | | OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.) | | | | | | | | |
|------------------|----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|--|--|--|--|
| DOR | | González, J.E., et al., "Cell-based assays and instrumentation for screening ion-channel targets", Drug Discover Today, Vol. 4, No. 9, pp. 431-439, _, (September 1999). | | | | | | | | |
| 1800 | | González, J.E., et al., "Voltage sensing by fluorescence resonance energy transfer in single cells", Biophysical Journal, Vol. 69, No. 4, pp. 1272-1280,(October 1995). | | | | | | | | |
| 2000 | 4. | Giuliano, K.A., et al., "Fluorescent-protein biosensors: new tools for drug discovery", Trends In Biotechnology", Vol. 16, No. 3, pp. 135-140, (March 1998). | | | | | | | | |
| i | | | | | | | | | | |
| | | · | | | | | | | | |

| EXAMINER | Man | 1 Ru | del |
|----------|-----|----------|-----|
| | 1 m | /// ٢٠٠٠ | X |

DATE CONSIDERED

*1*03

*EXAMINER: INITIAL IF CITATION CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP 609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED, INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.

AUG 1 3 2001

U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE

AUROBIO.026DV2 09/804,580

INFORMATION DISCLOSURE STATEMENT
BY APPLICANT

PADEMARY

TO THE CESSARY)

(USE SEVERAL SHEETS IF NECESSARY)

APPLICANT Maher, et al.

ATTY. DOCKET NO.

FILING DATE March 21, 2001

APPLICATION NO.

GROUP AUG 1 4 2007
TC 1700

| | | | | | | | <i>UO</i> | |
|---------------------|-----------------------|-----------------|----------|------------------|-------|----------|---------------------------------|--|
| | U.S. PATENT DOCUMENTS | | | | | | | |
| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUBCLASS | FILING DATE (IF APPROPRIATE) | |
| pon | 1 | 4,072,578 | 2/7/78 | Cady, et al. | 195 | 127 | | |
| DM2 | 2 | 4,514,500 | 4/30/85 | Giaever, et al. | 43 5 | 24/ | | |
| DAZ | 3 | 4,461,304 | 7/24/84 | Kuperstein | 128 | 642 | | |
| 1000m | 4 | 4,628,933 | 12/16/86 | Michelson | 128 | 41912 | | |
| VOI8Z | 5 | 4,677,989 🦠 | 7/7/87 | Robbiee | 128 | 784 | | |
| TOAN | 6 | 4,969,468 | 11/13/90 | Byers, et al. | 128 | 642 | | |
| TO BE | 7 | 5,024,233 | 6/18/91 | Chow | 128 | 4192 | | |
| DAZ_ | 8 | 5,178,161 | 1/12/93 | Kovacs | 128 | 284 | | |
| Disi | 9 | 5,187,096 🌣 | 2/16/93 | Giaever, et al. | 435 | 29/ | | |
| TORZ | 10 | 5,405,367 | 4/11/95 | Schulman, et al. | 607 | 61 | | |
| Darr | 11 | 5,432,086 | 7/11/95 | Fränzl, et al. | 435 | 291 | | |
| 70A2- | 12 | 5,439,440 | 8/8/95 | Hofmann | 604 | 20 | | |
| DAL | 13 | 5,545,130 | 8/13/96 | Hofmann, et al. | 604 | 4 | | |
| VOOR | 14 | 5,563,067 | 10/8/96 | Sugihara, et al. | 435 | 287.1 | | |
| THE. | 15 | 5,571,158 | 11/5/96 | Bolz, et al. | 607 | 12/ | | |
| -00 | 16 | 5,810,725 | 9/22/98 | Sugihara, et al. | 600 | 372 | | |
| 5072 | 17 | 5,855,801 | 1/5/99 | Lin, et al. | 216 | 2_ | | |
| DAL | 18 | 5,935,155 | 8/10/99 | Humayun, et al. | 607 | 54 | | |
| -par- | 19 | 5,957,958 | 9/28/99 | Schulman, et al. | 607 | 56 | | |
| DA | 20 | 5,965,452 | 10/12/99 | Kovacs | 436 | 149 | | |
| 800- | 21 | 5,981,268 | 11/9/99 | Kovacs, et al. | 435 | 287.1 | | |
| TOAL | 22 | 6,008,038 - | 12/28/99 | Kröger, et al. | | 285.2 | • | |
| DAZ- | 23 | 6,009,347 | 12/28/99 | Hofmann | 604 | 2/ | | |
| TONZ | 24 | 6,024,702 | 2/15/00 | Iversen | 600 | 378 | | |
| Done | 25 | 6,031,711 | 2/29/00 | Tennent, et al. | 361 | 303 | | |
| | 26 | 6,038,478 | 3/14/00 | Yuen, et al. | 607 | 74 | | |
| W/12_ | | 0,000,470 | 3/14/00 | 1 4011, 01 41. | 607 | 17 | | |

EXAMINER

DATE CONSIDERED

103 [//

*EXAMINER: INITIAL IF CITATION CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP 609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED, INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.

FAIR PTO-1449

U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE

INFORMATION DISCLOSURE STATEMENT

(USE SEVERAL SHEETS IF NECESSARY)

ATTY. DOCKET NO. AUROBIO.026DV2

APPLICATION NO. 09/804,580

APPLICANT Maher, et al.

FILING DATE March 21, 2001 GROUP 1743

AUG 1 4 2001

| | 1-1-1 | | . , | U.S. PATENT DOCUMENTS | | | 1700 |
|---------------------|-------|-----------------|---------|-----------------------|-------|----------|---------------------------------|
| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUBCLASS | FILING DATE (IF APPROPRIATE) |
| TARZ | 27 | 6,046,002 | 4/4/00 | Davis,et al. | 435 | 6 | |
| mm | 28 | 6,051,422 | 4/18/00 | Kovacs, et al. | 435 | 287.1 | |
| DAZ | 29 | 6,063,260 🔹 | 5/16/00 | Olesen, et al. | 205 | 793 | |
| DAZ_ | 30 | 6,099,960 | 8/8/00 | Tennent, et al. | 428 | 367 | |
| Harn | -31 | 6,205,016 | 3/20/01 | Niu | 361 | 503 | |

| • | FOREIGN PATENT DOCUMENTS | | | | | | | | |
|----------|--------------------------|--------------|----------|-------|----------|-------------|-----|----|--|
| EXAMINER | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUBCLASS | TRANSLATION | | | |
| INITIAL | | | | | | | YES | NO | |
| 70707 | 32 | WO97/05922 | 2/20/97 | PCT | - | _ | | | |
| -2002 | 33 | WO00/25121 | 5/4/00 | PCT | | | | | |
| TART | 34 | WO00/68686 | 11/16/00 | PCT | | | | | |
| VOAZ | 35 | 1 067 378 A1 | 1/10/01 | EPO | | - | _ | | |

| EXAMINER INITIAL | | OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.) |
|------------------|----|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| DAD | 36 | Amdts, Oral Presentation Abstract, Second International Cell Analysis Products Users Meeting in Hilton Head Island, South Carolina, USA (June 3-5, 1998). |
| DA2 | 37 | Barr and Plonsey, Biophys. J. 61, 1164-1175 (1992). 💌 |
| DAZ | 38 | Barr and Plonsey, IEEE 42, 1185-11911 (1995) |
| 7000- | 39 | Cartee and Plonsey, Med & Biol. Eng. & Comp. 30 389-398 (1992). |
| -DAIL | 40 | Cartee and Plonsey, IEEE 39, 76-85 (1992) • |
| toon | 41 | Eppich et al., Nature Biotech. 18, 882-887 (2000). |
| TORZ | 42 | Greenberg, et al. IEEE 46, 505-514 (1999). , |
| 76A2 | 43 | Gross, et al. Biophys. J. 50, 339-348 (1986) |
| VOA2 | 44 | Jentsch and Günther, BioEssays 19, 117-126 (1997). |
| por | 45 | Klee and Plonsey, Biophys. J. 12 1661-1675 (1972). a |
| V2702 | 46 | Klee and Plonsey, IEEE 23, 347-354 (1976). |
| -OAZ | 47 | Mitchell et al., J. Biomed. Eng. 14, 52-56 (1992). 4 |

| EXAM!NER | Dany | R | del | |
|----------|------|---|-----|--|

DATE CONSIDERED

4/11/03

*EXAMINER: INITIAL IF CITATION CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP 609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED, INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.

| O.IPE | | | | SHEET 3 OF |
|----------------|---------------------------------------------------------|------------------------------------|-------------------------------|------------|
| FORM PTO-1440 | U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE | ATTY. DOCKET NO. AUROBIO.026DV2 | APPLICATION NO. 09/804,580 | |
| AANEMARK OF BY | APPLICANT | APPLICANT Maher, et al. | | |
| (USE SEVERAL | SHEETS IF NECESSARY) | FILING DATE March 21, 2001 | GROUP CEIVE | <u>-</u> |

OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES ETC.) 1700 **EXAMINER** INITIAL Plonsey, Med & Biol. Eng. & Comput. 19 311-315 (1981). & 1010 DIT Plonsey, Med. & Biol. Eng. & Comput. 33 337-340 (1995). Plonsey and Barr, IEEE 42 329-336 (1995). Toon Plonsey and Barr, IEEE 9/10 130-137 (1998.) 51 Don-TOOL Rattay, Neuroscience 89 335-346 (1999). 🕏 52 TOOL Roth, Critical Reviews in Biomed. Eng. 22 263-305 (1994). Rowell, Biophotonics Int. 12 25-26 (2000). -54 VOM Schmidt et al., Proc. Natl. Acad. Sci. USA 94 8948-8953 (1997). 1000-Stone et al., J. Cardiovascular Electrophysiology 10 92-107 (1999). 7000-Svirskis et al., American Phys. Soc. 0022-3077 579-586 (1997). 10192 PMZ Tung and Borderies, Biophys. J. 63 371-386 (1992). 💉 Tung et al., Circulation Research 69 722-730 (1991). Do Zhou, et al., Circulation Research 83 1003-1014 (1998). Vag.

S:\DOCS\SKT\SKT-1606.DOC/cfg/080801

EXAMINER Clark Lich

DATE CONSIDERED

4/11/03